

PATENT RECORDATION FORM
COVER SHEET

Attorney Docket No.
S01.12-0787/STL 10017

To the Honorable Director of the United States Patent and Trademark Office: Please record the attached original document or copy thereof.



1. Name of conveying party(ies):
 (1) Tao Zhang
 (2) Kevin A. Gomez
 (3) Qiang Bi
 (4) MingZhong Ding
 (5) Stephen Kow Chiew Kuan

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

2. Name and address of receiving party(ies):

Name: Seagate Technology LLC

Internal Address: _____

Street Address: 920 Disc Drive

City Scotts Valley State CA ZIP 95066

Additional name(s) & address(es) attached?
 [] Yes [X] No

3. Nature of Conveyance:

- [X] Assignment [] Merger
 [] Security Agreement
 [] Change of Name [] Other _____

Execution Date: July 20, 2001

4A. Application No.(s)

09/896,895

If this document is being filed together with a new application, the execution date(s) of the application is: _____

Additional numbers attached? [] Yes [X] No

4B. Patent No.(s)

Additional numbers attached?
 [] Yes [] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Alan G. Rego
 Street Address: Westman, Champlin & Kelly, P.A.
Suite 1600
International Centre
900 Second Avenue South
 City: Minneapolis State: MN ZIP 55402

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41):.....\$ 40.00

8. Method of Payment

- [X] Enclosed
 [X] The Director is authorized to charge payment of any additional recording fees or credit any overpayment to deposit account No. 23-1123.

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Alan G. Rego
 Name of Person Signing

Rego
 Signature

9/19/01

Date

Total number of pages submitted: [4]

ASSIGNMENT

Attorney Docket No. : S01.12-0787
Seagate Docket No. : STL 10017

WHEREAS, I/we Tao Zhang of 148 Pine Street, Apt. 14, Kingston, Ontario, Canada, Kevin A. Gomez of 86 Bloxhome Drive, Singapore, Singapore, 559781, Qiang Bi of Blk 373, #03-192, Clementi Ave 4, Singapore, Singapore 120373, MingZhong Ding of Blk 534, Bukit Batok #04-18, Singapore, Singapore, 650534, and Stephen Kow Chiew Kuan of 3 Jalan Rajawali #07-01, Singapore, Singapore 598436 are the inventor(s) of an invention entitled REAL-TIME AUTOMATIC LOOP-SHAPING FOR A DISC DRIVE SERVO CONTROL SYSTEM that is the subject matter of: (check all that apply)

- a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. 60/254,934 filed on December 12, 2000;
- an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____, S01.12-0787/STL 10017, and/or executed on even date herewith; and
- an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No. _____ filed on _____; and

WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California, 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/we transfer to Assignee, its successors and assigns, my/our entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and I/we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

I/We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I/We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

I/We represent to the Assignee, its successors and assigns, that I/we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I/We, my/our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.


Signature of Inventor

20/07/01

Tao Zhang
Printed Name of Inventor
Residence of Inventor:

148 Pine Street, Apt. 14
Kingston, Ontario, Canada
K7K 1W8

 July, 20, 2001
Signature of Witness Date

Zhen Yao
Printed Name of Witness
Residence of Witness:

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K7L 3E5

Signature of Inventor

Kevin A. Gomez

Printed Name of Inventor

Residence of Inventor:

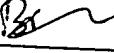
86 Bloxhome Drive

Singapore, 276955

Signature of Witness Date

Printed Name of Witness

Residence of Witness:


Signature of Inventor

Qiang Bi

Printed Name of Inventor

Residence of Inventor:

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Clementi Ave 4

Singapore 120373


Signature of Witness Date

20 JULY 2001

PONG TZE MING, JIMMY

Printed Name of Witness

Residence of Witness:

34 THAMIAN GRAN

SINNADAR S 74910

Signature of Inventor

MingZhong Ding

Printed Name of Inventor

Residence of Inventor:

Block 534, Bukit Batok

#04-18

Singapore, 650534

Signature of Witness Date

Printed Name of Witness

Residence of Witness:

Signature of Inventor

Stephen Kow Chiew Kuan

Printed Name of Inventor

Residence of Inventor:

3 Jalan Rajawali

#07-01

Singapore, 598436

Signature of Witness Date

Printed Name of Witness

Residence of Witness:

Kom

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Kevin A. Gomez

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Residence of Inventor:

86 Bloxhome Drive

Singapore, 276955

Thom

Signature of Witness

20th JUL '01

Date

LANNA XL 460

Printed Name of Witness

Residence of Witness:

BLK 140 JLN BT MERAH

#18-115G

SINGAPORE 160140

Signature of Inventor

Qiang Bi

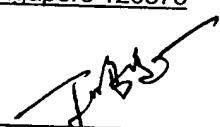
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Signature of Inventor

MingZhong Ding

Printed Name of Inventor

Residence of Inventor:

Block 534, Bukit Batok

#04-18

Singapore, 650534

Signature of Witness Date

Printed Name of Witness

Residence of Witness:

Thom

Signature of Witness

20th JUL '01

Date

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Printed Name of Witness

Residence of Witness:

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SINGAPORE 160140

Seewon

Signature of Inventor

Stephen Kow Chiew Kuan

Printed Name of Inventor

Residence of Inventor:

3 Jalan Rajawali

#07-01

Singapore, 598436

Thom

Signature of Witness

20th JUL '01

Date

LANNA XL 460

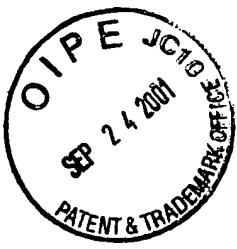
Printed Name of Witness

Residence of Witness:

BLK 140 JLN BT MERAH

#18-115G

SINGAPORE 160140



**DECLARATION
IN ORIGINAL APPLICATION**

#3

Attorney Docket No.

S01.12-0787/STL
10017

SPECIFICATION AND INVENTORSHIP IDENTIFICATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and joint inventor of the subject matter which is claimed, and for which a patent is sought, on the invention entitled REAL-TIME AUTOMATIC LOOP-SHAPING FOR DISC DRIVE SERVO CONTROL SYSTEM the specification of which,

- is entitled REAL-TIME AUTOMATIC LOOP-SHAPING FOR A DISC DRIVE SERVO CONTROL SYSTEM, having an attorney docket number S01.12-0787/STL 10017.
- was filed on June 29, 2001 as Appln. No. 09/896,895.
and was amended on _____
was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is known to me to be material to the patentability of this application in accordance with 37 C.F.R. § 1.56.

PRIORITY CLAIM (35 U.S.C. § 119)

Prior Foreign Application(s)

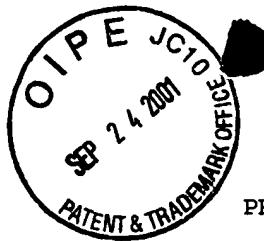
I claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any foreign application(s) for patent or inventor's certificate listed below, each of which is incorporated by reference in its entirety, and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Number	Country	Day/Month/Year Filed	Priority Claimed
_____	_____	_____	Yes _____ No _____
_____	_____	_____	Yes _____ No _____

Prior Provisional Application(s)

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States Provisional Application(s) listed below, each of which is incorporated by reference in its entirety:

Number	Day/Month/Year Filed
60/254,934	December 12, 2000
_____	_____



-25-

PRIORITY CLAIM (35 U.S.C. § 120)

I claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below, each of which is incorporated by reference in its entirety. Insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Appln. No.	U.S. Appln. No. (if any under PCT)	Filing Date	Status
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DECLARATION

I declare that all statements made herein that are of my own knowledge are true and that all statements that are made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

DESIGNATION OF CORRESPONDENCE ADDRESS

Please address all correspondence and telephone calls to Alan G. Rego in care of:

WESTMAN, CHAMPLIN & KELLY, P.A.
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Minneapolis, Minnesota 55402-3319
Phone: (612) 334-3222 Fax: (612) 334-3312

Inventor: Henry P.
(Signature)

Date: 20/07/2001

Inventor: Tao Zhang
(Printed Name)

P.R. China

Residence: Kingston, Ontario, Canada Citizenship: Singapore

P.O. Address: 148 Pine Street, Apt. 14, Kingston, Ontario, Canada K7K 1W8

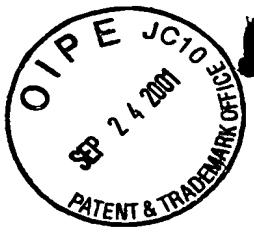
Inventor: _____
(Signature)

Date: _____

Inventor: Kevin Arthur Gomez
(Printed Name)

Residence: Singapore, Singapore Citizenship: Singapore

P.O. Address: 86 Bloxhome Drive, Singapore 559781



-25-

PRIORITY CLAIM (35 U.S.C. § 120)

I claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below, each of which is incorporated by reference in its entirety. Insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Appln. No.	U.S. Appln. No. (if any under PCT)	Filing Date	Status

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(Printed Name)

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Inventor: KGOM Date: 19 July 2001
(Signature)

Inventor: Kevin Arthur Gomez
(Printed Name)

Residence: Singapore, Singapore Citizenship: Singapore

P.O. Address: 86 Bloxhome Drive, Singapore 559781



-26-

Inventor: Bi
(Signature)

Date: 20, July, 2001

Inventor: Qiang Bi
(Printed Name)

singapore

Residence: Singapore, Singapore Citizenship: P.R. China

P.O. Address: Blk 373, #03-192, Clementi Ave 4, Singapore 120373

Inventor: _____ Date: _____
(Signature)

Inventor: MingZhong Ding
(Printed Name)

Residence: Singapore, Singapore Citizenship: P.R. China

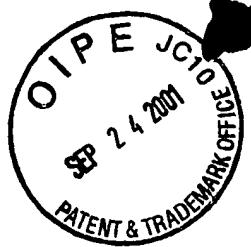
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Inventor: _____ Date: _____
(Signature)

Inventor: Stephen Kow Chiew Kuan
(Printed Name)

Residence: Singapore, Singapore Citizenship: Singapore

P.O. Address: 3 Jalan Rajawali #07-01, Singapore 598436



-26-

Inventor: _____ Date: _____
 (Signature) _____

Inventor: Qiang Bi Date: _____
 (Printed Name) _____

Residence: Singapore, Singapore Citizenship: P.R. China
 P.O. Address: Blk 373, #03-192, Clementi Ave 4, Singapore 120373

Inventor: Jubao Date: 19th July 2001
 (Signature) _____

Inventor: MingZhong Ding Date: _____
 (Printed Name) _____

Residence: Singapore, Singapore Citizenship: P.R. China
 P.O. Address: Blk 534, Bukit Batok, #04-18, Singapore 650534

Inventor: Seawen Date: 19th July 2001
 (Signature) _____

Inventor: Stephen Kow Chiew Kuan Date: _____
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